



(11) **EP 1 011 235 A3** 

(12)

## **EUROPEAN PATENT APPLICATION**

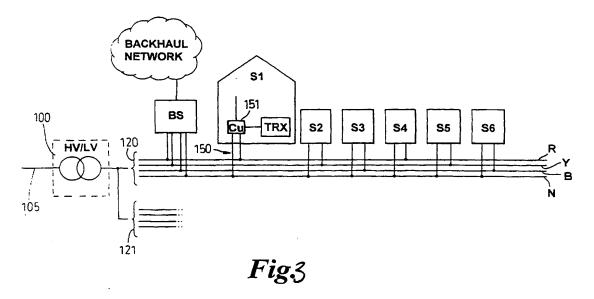
(88) Date of publication A3: 02.05.2002 Bulletin 2002/18

(51) Int CI.7: **H04L 27/26**, H04B 3/54

- (43) Date of publication A2: 21.06.2000 Bulletin 2000/25
- (21) Application number: 99307702.3
- (22) Date of filing: 29.09.1999
- (84) Designated Contracting States:
  AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
  MC NL PT SE
  Designated Extension States:
  AL LT LV MK RO SI
- (30) Priority: 15.12.1998 GB 9827601
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- (74) Representative: Bewley, Ewan Stuart et al Nortel Networks Intellectual Property Law Group London Road Harlow, Essex CM17 9NA (GB)
- (54) Reception of multicarrier signals over power lines
- (57) An Orthogonal Frequency Division Multiplexed (OFDM) power line communications system comprising a power line for distributing electricity to a plurality of premises and a communication station coupled to the power line at one of the premises, which station uses a

part of the power line external to the premises as a communications medium. The communications station includes a receiver which comprises a clipping system adapted to clip an incoming OFDM data waveform, which includes a regular impulsive noise component, so as to reduce the level of noise on the waveform.





## **EUROPEAN SEARCH REPORT**

Application Number EP 99 30 7702

		ERED TO BE RELEVANT	<del></del>	<del> </del>	
Category	Citation of document with of relevant pas	ndication, where appropriate, sages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CL7)	
X	WO 98 10550 A (TEL) 12 March 1998 (1998 * page 3, line 18 -	3-03-12)	1-14	H04L27/26 H04B3/54	
E	EP 1 043 874 A (BBC 11 October 2000 (20 * abstract *		1-14		
T	medium and design a PLC system" INTERNATIONAL ZÜRIC COMMUNICATIONS,	"Nature of power line spects for broadband  H SEMINAR ON BROADBAND  2000, pages 185-189,  t *		TECHNICAL FIELDS SEARCHED (Int.Ci.7) H04L H04B	
	The present search report has I				
	Place of search	Date of completion of the search		Examiner	
	THE HAGUE	11 March 2002	Scr	iven, P	
X : partic Y : partic docu A : techr O : non-	ATEGORY OF CITED DOCUMENTS cularly relevant if taken alone cularly relevant if combined with anot ment of the same category notogical background -written disclosure mediate document	T : theory or principl E : earlier patent do after the filing dat er D : document cited i L : document cited i  . member of the si document	cument, but public te in the application or other reasons	shed on, or	

EPO FORM 1503 03.82 (P04C01)

## ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 99 30 7702

This annex lists the patent family members relating to the patent documents cited in the above—mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

11-03-2002

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82